AMENDMENTS TO SPECIFICATION

Please amend the Paragraph extending from Page 5, line 5 to Page 6, line 3, as follows:

For the noisy speech spectrum $|Y_r(i,k)|^2$ and noise spectrum $|W_r(i,k)|^2$, the method of the present invention utilizes a sub-band over-subtraction mechanism to determine the estimate of clean speech spectrum $|\hat{S}_r(i,k)|^2$, which is then processed by IFFT (Inverse Fast Fourier Transform) (Step S207) for being restored to enhanced frame signal $\hat{s}_r(k)$. The method of the present invention partitions the frequency band into multiple sub-bands and ~~perform~~ performs over-subtraction on each sub-band to implement over-subtraction on each sub-band, it is first performed a sub-band SNR estimation (step S204) to estimate ~~a~~ an SNR value for determining the over-subtraction factor of the sub-band. The SNR value can be obtained by a regression formula as follows:

$$SNR_r(i) = \mu \cdot SNR^{o}_{r-1}(i) + (1-\mu) \cdot 10 \cdot \log_{10}\left(\frac{\sum_{k \in sub-band\ i} |Y_r(i,k)|^2}{\sum_{k \in sub-band\ i} |W_r(i,k)|^2} - 1 \right)$$

where I is the index of the sub-band, $SNR_r(I)$ is the SNR estimate of the i-th sub-band for the r-th frame, $|Y_r(i,k)|^2$ is the noisy speech spectrum of the r-th frame at the ~~k-the~~ k-th frequency component of the i-th sub-band, $|W_r(i,k)|^2$ is the corresponding noise spectrum, μ is a predetermined weight in a range of $0 < \mu < 1$, and $SNR^{o}_{r-1}(i)$ is the SNR of the sub-band for the previous frame after noise reduction, which is expressed by the following formula:

$$SNR^{o}_{r-1}(i) = 10 \cdot \log_{10} \frac{\sum_{k \in sub-band\ i} |\hat{S}_r(i,k)|^2}{\sum_{k \in sub-band\ i} |W_r(i,k)|^2},$$

where $|\hat{S}_r(i,k)|^2$ is the estimate of the clean speech spectrum of the previous, i.e., the (r-1)-th, frame after being processed in the sub-band i.